

Amendments to the Claims

Please amend Claims 1, 8, and 9 to read as follows.

1. (Currently Amended) An image processing method for converting data dependent on a first illuminating light into data dependent on a second illuminating light, comprising the steps of:

storing a conversion condition for a light source having high color rendering properties and a conversion condition for a light source having low color rendering properties;

generating data indicating a proportion of synthesis of the stored conversion condition for the light source having high color rendering properties and the light source having low color rendering properties, corresponding to the second illuminating light;

generating a first conversion condition from the stored conversion condition for the light source having high color rendering properties and from the stored conversion condition for the light source having low color rendering properties, according to the data indicating the proportion of synthesis;

generating a second conversion condition for color temperature conversion, based on color temperature information ~~based on white information of the first illuminating light and white information~~ of the second illuminating light; and

converting data dependent on the first illuminating light into data dependent on the second illuminating light using the first conversion condition and the second conversion condition,

wherein the conversion condition for the light source having high color rendering properties is obtained from measurement data of plural patches under the light source having high color rendering properties and measurement data of the plural patches under a standard light source, and

the conversion condition for the light source having low color rendering properties is obtained from measurement data of plural patches under the light source having low color rendering properties and measurement data of the plural patches under the standard light source.

2. (Canceled)

3. (Previously Presented) An image processing method according to claim 1, wherein data indicating proportions of plural syntheses are stored in advance according to kinds of illuminating light.

4. (Previously Presented) An image processing method according to claim 3, wherein the kind of the second illuminating light is designated by a user and the data indicating the proportion of synthesis are selected according to the designated kind of the second illuminating light.

5. (Previously Presented) An image processing method according to claim 1, wherein the data indicating the proportion of synthesis are generated according to a manual instruction of a user.

6. (Previously Presented) An image processing method according to claim 1, wherein the data indicating the proportion of synthesis are generated according to an output from a sensor for measuring illuminating light.

7. (Previously Presented) An image processing method according to claim 1, wherein the conversion data are matrix data.

8. (Currently Amended) An image processing apparatus for converting data dependent on a first illuminating light into data dependent on a second illuminating light, comprising:

a data storing unit for storing a conversion condition for a light source having high color rendering properties and a conversion condition for a light source having low color rendering properties;

~~an instructing unit~~ a generating unit for generating data indicating a proportion of synthesis of the stored conversion conditions for the light source having high color rendering properties and the light source having low color rendering properties, corresponding to the second illuminating light;

a first calculating unit for generating a first conversion condition from the stored conversion condition for the light source having high color rendering properties and

from the stored conversion condition for the light source having low color rendering properties, according to the data indicating the proportion of synthesis;

a second calculating unit for generating a second conversion condition based on color temperature ~~white~~ information of the second illuminating light; and

a converting unit for converting data dependent on the first illuminating light into data dependent on the second illuminating light using the first conversion condition and the second conversion condition,

wherein the conversion condition for the light source having high color rendering properties is obtained from measurement data of plural patches under the light source having high color rendering properties and measurement data of the plural patches under a standard light source, and

the conversion condition for the light source having low color rendering properties is obtained from measurement data of plural patches under the light source having low color rendering properties and measurement data of the plural patches under the standard light source.

9. (Currently Amended) A control computer program embodied in a computer readable ~~recording~~ medium, ~~storing a program~~ for converting data dependent on a first illuminating light into data dependent on a second illuminating light, said program ~~comprising~~ causing a computer to perform the steps of:

storing a conversion condition for a light source having high color rendering properties and a conversion condition for a light source having low color rendering properties;

generating data indicating a proportion of synthesis of the stored conversion conditions for the light source having high color rendering properties and the light source having low color rendering properties, corresponding to the second illuminating light;

generating a first conversion condition from the stored conversion condition for the light source having high color rendering properties and from the stored conversion condition for the light source having low color rendering properties, according to the data indicating the proportion of synthesis;

generating a second conversion condition based on color temperature ~~white~~ information of the second illuminating light; and

converting data dependent on the first illuminating light into data dependent on the second illuminating light using the first conversion condition and the second conversion condition,

wherein the conversion condition for the light source having high color rendering properties is obtained from measurement data of plural patches under the light source having high color rendering properties and measurement data of the plural patches under a standard light source, and

the conversion condition for the light source having low color rendering properties is obtained from measurement data of plural patches under the light source having low color rendering properties and measurement data of the plural patches under the standard light source.

10-18. (Canceled)

19. (Previously Presented) An image processing method according to Claim 1, further comprising a step of providing a preview image based on the converted data.

20-23. (Canceled)